

posite sides of the cloth-plate one of said needles being notched and movable in a path inclined to the other, a loop-taker adapted to take the loop from one of said needles and carry it into the path of the notched needle whereby said loop is engaged by the latter and carried below the work, said last-named needle automatically shedding the loop after needle penetration, means for operating the needles and means for operating the loop-taker.

5. In a sewing-machine of the character described, the combination of a thread-carrying needle disposed below the cloth-plate, and a companion notched needle adapted to traverse the path of movement of the first-named needle whereby a loop carried by the second-named needle is entered by the first-named needle at a point below the cloth-plate, a loop-taker above the cloth-plate and adapted to take the loop from the first-named needle and over the edge of the fabric and carry said loop into the path of the notched needle, means for operating the needles and means for operating the loop-taker.

6. In a machine of the character described, the combination of two needles one of which is notched, one of said needles being normally above and the other normally below the cloth-plate and both needles engaging the same thread, and one of said needles being inclined to the other and adapted to carry a loop, a loop-taker for taking said loop and carrying it into the path of the notched needle whereby the latter engages the loop and carries it to a point below the fabric and into the path of the succeeding movement of the other needle, feeding mechanism for the fab-

ric, means for operating the needles, and means for operating the loop-taker.

7. In a machine of the character described, the combination of a work-plate, a needle, a needle-carrying arm disposed with relation to said work-plate whereby the needle is adapted to carry the thread outside of the edge of the fabric and from a point below to a point approximately above the fabric, a loop-taker, a second needle having a thread-engaging notch, means whereby said needle is adapted to traverse the path of movement of the loop-taker and take the loop therefrom and carry it through the fabric to a point below and into the path of the first-named needle whereby the edge of the fabric is overseamed, and means for operating the loop-taker.

8. In a machine of the character described, a lower thread-carrying needle oscillating about a center above the cloth-plate of the machine, a reciprocating vertical needle having a thread-engaging notch, and a loop-taker operating above the fabric and adapted to take a loop from the oscillating needle and carry it into the path of descent of the vertical needle, said latter needle taking the loop from the loop-taker and carrying it through and below the fabric and into the path of movement of the oscillating needle, means for operating the needles and means for operating the loop-taker.

In witness whereof I have hereunto set my hand in the presence of two subscribing witnesses.

HELEN A. BLANCHARD.

Witnesses:

JOS. R. EMBERY,

JOHN B. MEGONIGAL.